

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



National
Aeronautics and
Space
Administration

Patent Application
KSC-12246
(NASA Case No.)

Declaration, Power of Attorney and Petition - Original Application

As a below named inventor, I hereby declare that: My residence, mailing address and citizenship, are stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Zero-Valent Metal Emulsion for Reductive Dehalogenation of DNAPLs

the specification of which is attached hereto, was filed on (Date) 10/02/2001
as Application Serial No. 09/972,296 and was amended (Date) _____.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information which is known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Serial No.) , (Filing Date) , the status of which is patented, pending, abandoned .

I hereby claim priority benefits under Title 35, United States Code §119(e) of any United States Provisional Applications listed below:

(Provisional Serial No.) , (Filing Date) , the status of which is pending.

POWER OF ATTORNEY: I hereby appoint the following attorney(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Registered practitioner(s) at Customer Number _____, OR

Registered practitioner(s) listed below

<u>Randall M. Heald</u> (Name)	<u>28,561</u> (Reg. No.)	<u>Gary G. Borda</u> (Name)	<u>35,455</u> (Reg. No.)
<u>Alan J. Kennedy</u> (Name)	<u>28,625</u> (Reg. No.)	<u>John G. Mannix</u> (Name)	<u>27,254</u> (Reg. No.)
<u>Harry Lupuloff</u> (Name)	<u>31,117</u> (Reg. No.)	<u>Sue H. Palk</u> (Name)	<u>36,422</u> (Reg. No.)

ADDRESS ALL CORRESPONDENCE TO:

Customer Number _____, OR
 Correspondence Address listed below:

Name: Randall M. Heald, Patent Counsel
Address: NASA/Mail Code: CC-A
John F. Kennedy Space Center
Kennedy Space Center, FL 32899

DIRECT TELEPHONE CALLS TO:

Telephone (Complete number to be dialed from USPTO):
321-867-7214

Further, as a named inventor, I certify that the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration has an assignment in, or license to the invention set forth in this application and has the irrevocable right to prosecute this application and to receive the patent.

Wherefore, I pray that Letters Patent be granted to me for this invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification, claims, power of attorney and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
	Reinhart	Debra	R.
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Maitland	FLORIDA	U.S.A.
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
	170 Shell Pt. W.	Maitland, FLORIDA	32751
SIGNATURE	<i>Debra R. Reinhart</i>		DATE
			1/8/02
FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
	Clausen	Christian	
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Chuluota	FLORIDA	U.S.A.
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
	1445 Bobwhite Trail	Chuluota, FLORIDA	32766
SIGNATURE	<i>Christian Clausen</i>		DATE
			1/4/02
FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
	Geiger	Cherie	L.
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Geneva	FLORIDA	U.S.A.
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
	3655 E. Osceola Road	Geneva, FLORIDA	32732
SIGNATURE	<i>Cherie Z Geiger</i>		DATE
			1/4/02
FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
	Quinn	Jacqueline	
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	Titusville	FLORIDA	U.S.A.
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
	1278 Fox Court	Titusville, FLORIDA	32780
SIGNATURE	<i>Jacqueline Quinn</i>		DATE
			12/14/01

Further, as a named inventor, I certify that the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration has an assignment in, or license to the invention set forth in this application and has the irrevocable right to prosecute this application and to receive the patent.

Wherefore, I pray that Letters Patent be granted to me for this invention or discovery described and claimed in the foregoing specification and claims, and I hereby subscribe my name to the foregoing specification, claims, power of attorney and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR	LAST Brooks	FIRST Kathleen	MIDDLE OR INITIAL
RESIDENCE AND	CITY Orlando	STATE OR FOREIGN COUNTRY FLORIDA	COUNTRY OF CITIZENSHIP U.S.A.
MAILING ADDRESS	STREET NO. AND NAME 2563 Logandale Drive	CITY AND STATE (OR COUNTRY) Orlando, FL	ZIP CODE 32817
SIGNATURE	<i>Kathleen B. Brooks</i>		DATE 1-8-02
FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
SIGNATURE			DATE
FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
SIGNATURE			DATE
FULL NAME OF INVENTOR	LAST	FIRST	MIDDLE OR INITIAL
RESIDENCE AND	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
MAILING ADDRESS	STREET NO. AND NAME	CITY AND STATE (OR COUNTRY)	ZIP CODE
SIGNATURE			DATE